



CAFES PDF 417 Bar Code Record Positional Layout CAMIR



Version: 02

Class Codes:

A: Alphabetic - (Letter or Blank) Left Justified & Space Filled
AN: Alphanumeric (Alphabetic or Numeric) - Left Justified & Space Filled
N: Numeric - Right Justified & Zero Filled
X: Alphanumeric. Any Character. - Left Justified & Space Filled

Status Codes:

C: Conditional
M: Mandatory
O: Optional

Notes:

***** BAR CODE TEXTUAL DATA MUST BE UPPERCASE CHARACTERS *****

PDF 417 Barcode format for CF-7512 adapted from Customs and Trade Automated Interface Requirements (CATAIR) document:

Input to Customers dated August 1995 - Provides descriptions and format requirements for each data element contained within a transaction record input by a carrier, port authority, or service bureau to transmit data to the U.S. Customs and Border Protection's National Data Complex.

Header and Trailer Records:

August 1995 Application Control - Defines typical configuration of the Automated Commercial Systems (ACS) records

******* Additional CAFES Record Formatting Instructions *******

Each CAFES record format (CAMIR, QP, or X12) must be enclosed within the ANSI PDF 417 Bar Code Enveloping Structure as defined in:

ANSI MH10.8.3M-1996

American National Standard for Material Handling ...

Two-Dimensional Symbols With Unit Loads and Transport

Packages

Pages 6-10 and 52.

ANSI PDF 417 Bar Code Envelope (for CAFES)

Message Header String: "[>" followed by ASCII decimal character 30

Format Header-Free Form Text Indicator: "07"

CAFES Bar Code Identifier: "&"

2-digit Version Number here (leading zero is required).

[Place CAFES CAMIR, QP, or X12 message here!]

Format Trailer (Record Separator) Character: ASCII decimal character 30

Message Trailer (End Of Transmission) Character: ASCII decimal character 4

.....FIELD.....

Position	Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - CAMIR
Record Identifier: ACR						
1	Control Identifier	3 AN	1	3		Must always equal ACR
2	AMS User Code	4 A	4	7	M	A code representing the carrier, Customs-assigned port authority, or service bureau.
3	Password	6 AN	8	13	M	Must equal "CAFES". A code representing the password agreed upon between Customs and the AMS participant.
4	Application Identifier	2 A	14	15	M	A code representing the type of application detail data contained within the block. Must equal "MI" for "Manifest Input".

Record Length: 15

Record Identifier: M01

5	Control Identifier	3 AN	16	18		Must always equal M01
6	Carrier Code	4 AN	19	22	M	SCAC of importing carrier.
7	Mode of Transportation Code	2 N	23	24	M	A code indicating the type of conveyance used to carry the manifested cargo. (10 = ocean, 20 = rail, 30 = truck, 70 = pipeline)
8	Conveyance Country Code	2 A	25	26	M	An International Organization for Standardization (ISO) country code representing the country in which the carrier is domiciled. ("CA", "MX", "US")
9	Conveyance Name	23 AN	27	49	M	Name of carrier company.
10	Trip Number	5 AN	50	54	M	The trip number, entered using no slashes.
11	Number of Bills of Lading	5 N	55	59	M	For CAFES must equal 1. The total numbers of bills of lading for all U.S. Customs district/ports of unloading on the manifest.

Record Length: 44

.....FIELD.....

Position	Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - CAMIR
Record Identifier: P01						
12	Control Identifier	3 AN	60	62	M	Must always equal P01
13	District/Port of Unlading Code	4 N	63	66	M	Census Schedule D code representing the first U.S. port of arrival.
14	Original Estimated Date	6 N	67	72	M	A date in MMDDYY (month, day, year) format representing the original scheduled date of arrival (for imports) or departure (for exports) at this port.
15	Number of Bills of Lading for Port	5 N	73	77	M	For CAFES must equal 1. The total number of bills of lading/house bills transmitted for the U.S. Customs district/port.

Record Length: 18

Record Identifier: J01

16	Control Identifier	3 AN	78	80	M	Must always equal J01
17	Issuer Code	4 AN	81	84	M	The SCAC code of the issuer of the bill(s) of lading.

Record Length: 7

.....FIELD.....

Position	Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - CAMIR
Record Identifier: B01						
18	Control Identifier	3 AN	85	87	M	Must always equal B01
19	Bill of Lading Sequence Number	12 X	88	99	M	The unique bill of lading number.
20	Foreign Port	5 N	100	104	M	Schedule K code representing the foreign place where cargo was laden on the conveyance.
21	Manifest Quantity	10 N	105	114	M	A value representing the total number of pieces on the bill of lading.
22	Manifest Units	3 X	115	117	M	A three character code for manifest unit of measure, such as CTN (carton).
23	Filler	2 AN	118	119	M	Space fill.
24	Weight	10 N	120	129	M	The gross weight in pounds or kilos.
25	Weight Unit	2 A	130	131	M	A code representing the unit of measure.
26	Bill of Lading Status Indicator	1 X	132	132	M	Must equal 0 or space for Regular Bill. A code representing the status of the bill of lading.
27	Master In-bond Indicator	1 X	133	133	M	Must equal 1 for Master In-bond. A code representing the status of Master In-bond (MIB).
28	Filler	12 X	134	145	M	Space fill. (House Bill Number not used.)
29	In-bond Entry Type	2 N	146	147	M	A code representing the movement type. Must equal 61, 62, or 63.
30	In-bond Port of Destination	4 N	148	151	M	A code representing the in-bond port of destination.

Record Length: 67

.....FIELD.....

Position	Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - CAMIR
Record Identifier: B02 (Optional)						
31	Control Identifier	3 AN	152	154	M	Must always equal B02
32	Volume	10 N	155	164	O	A value representing the shipment's volume.
33	Volume Unit	2 A	165	166	C	A code representing the unit of volume.
34	Place of Receipt by Carrier	17 AN	167	183	M	A valid city or country name where the carrier took possession of the cargo.
35	Filler	12 X	184	195	M	Space fill. (Charter B/L Reference not used.)
36	Second Notify Party (1)	4 AN	196	199	O	The Standard Carrier Alpha Code (SCAC) of the secondary notify party authorized to receive a copy of the bill of lading status notifications.
37	Second Notify Party (2)	4 AN	200	203	O	The Standard Carrier Alpha Code (SCAC) of the secondary notify party authorized to receive a copy of the bill of lading status notifications.

Record Length: 52

Record Identifier: B04 (Optional - Can occur 2 times)

38	Control Identifier #1	3 AN	204	206	M	Must always equal B04
39	Qualifier #1	3 AN	207	209	M	See Intermodal CAMIR handbook for list of valid codes. If code is less than three (3) positions, it is left justified. If "FEN" is used, then the 15 digit Mexican entry number (Pedimento) is required in positons 6-35.
40	Reference Identifier #1	30 AN	210	239	M	Reference number must correspond to code in pos 3-5 as defined in Intermodal CAMIR handbook.
41	Control Identifier #2	3 AN	240	242	M	Must always equal B04
42	Qualifier #2	3 AN	243	245	M	See Intermodal CAMIR handbook for list of valid codes. If code is less than three (3) positions, it is left justified. If "FEN" is used, then the 15 digit Mexican entry number (Pedimento) is required in positons 6-35.
43	Reference Identifier #2	30 AN	246	275	M	Reference number must correspond to code in pos 3-5 as defined in Intermodal CAMIR handbook.

Record Length: 72

.....FIELD.....

Position	Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - CAMIR
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Record Identifier: N00 (Shipper)

44	Control Identifier	3 AN	276	278	M	Must always equal N00
45	Entity ID Code	3 AN	279	281	M	Must always equal SH. Left justified and space filled.
46	Shipper Name	35 X	282	316	M	A valid shipper name.

Record Length: 41

Record Identifier: N02 (Shipper)

47	Control Identifier	3 AN	317	319	M	Must always equal N02
48	Shipper Address, Line 1	35 X	320	354	M	The first line of the shipper's address, if available.
49	Shipper Address, Line 2	35 X	355	389	C	The second line of the shipper's address, if available.

Record Length: 73

Record Identifier: N03 (Optional) (Shipper)

50	Control Identifier	3 AN	390	392	M	Must always equal N03
51	City Name	19 AN	393	411	C	Free form text for the name of the city.
52	State/Province	2 AN	412	413	O	The U.S. postal code for the State/Province.
53	Postal Code	9 AN	414	422	O	A code representing the international postal zone code (ZIP in U.S.).
54	Country Code	2 AN	423	424	O	An ISO code identifying the country of origin.

Record Length: 35

Record Identifier: N00 (Consignee)

55	Control Identifier	3 AN	425	427	M	Must always equal N00
56	Entity ID Code	3 AN	428	430	M	Must always equal CN. Left justified and space filled.
57	Consignee Name	35 X	431	465	M	A valid consignee name.

Record Length: 41

.....FIELD.....

Position	Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - CAMIR
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Record Identifier: N02 (Consignee)

58	Control Identifier	3 AN	466	468	M	Must always equal N02
59	Consignee Address, Line 1	35 X	469	503	M	The first line of the consignee's address, if available.
60	Consignee Address, Line 2	35 X	504	538	C	The second line of the consignee's address, if available.

Record Length: 73

Record Identifier: N03 (Optional) (Consignee)

61	Control Identifier	3 AN	539	541	M	Must always equal N03
62	City Name	19 AN	542	560	C	Free form text for the name of the city.
63	State/Province	2 AN	561	562	O	The U.S. postal code for the State/Province.
64	Postal Code	9 AN	563	571	O	A code representing the international postal zone code (ZIP in U.S.).
65	Country Code	2 AN	572	573	O	An ISO code identifying the country of origin.

Record Length: 35

Record Identifier: N00 (If used, Notify Party N00 & N02 Records are required)

66	Control Identifier	3 AN	574	576	M	Must always equal N00
67	Entity ID Code	3 AN	577	579	M	Must always equal N1. Left justified and space filled.
68	Notify Party Name	35 X	580	614	M	A valid notify party name.

Record Length: 41

Record Identifier: N02 (If used, Notify Party N00 & N02 Records are required)

69	Control Identifier	3 AN	615	617	M	Must always equal N02
70	Notify Party Address, Line 1	35 X	618	652	M	The first line of the notify party's address, if available.
71	Notify Party Address, Line 2	35 X	653	687	C	The second line of the notify party's address, if available.

Record Length: 73

.....FIELD.....

Position	Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - CAMIR
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Record Identifier: N03 (Optional) (If used, Notify Party N00 & N02 Records are required)

72	Control Identifier	3 AN	688	690	M	Must always equal N03
73	City Name	19 AN	691	709	C	Free form text for the name of the city.
74	State/Province	2 AN	710	711	O	The U.S. postal code for the State/Province.
75	Postal Code	9 AN	712	720	O	A code representing the international postal zone code (ZIP in U.S.).
76	Country Code	2 AN	721	722	O	An ISO code identifying the country of origin.

Record Length: 35

Record Identifier: N00 (Optional) (Customs Broker)

77	Control Identifier	3 AN	723	725	M	Must always equal N00
78	Entity ID Code	3 AN	726	728	M	Must always equal CB. Left justified and space filled.
79	Customs Broker Name	35 X	729	763	M	A valid Customs Broker name.
80	Identification Code Qualifier	2 AN	764	765	C	Must equal 17. Required for Entry ID Code = CB. Code designating the system/method used for Identification Code (67).
81	Identification Code	17 AN	766	782	C	For Entry ID Code = CB, must contain the ABI Routing Code - CB.

Record Length: 60

.....FIELD.....

Position	Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - CAMIR
Record Identifier: I01						
82	Control Identifier	3 AN	783	785	M	Must always equal I01
83	In-bond Entry Type	2 N	786	787	M	A code representing the various types of in-bond movements.
84	FDA BTA Indicator	1 X	788	788	O	Values 'Y', 'N', ''
85	Filler	1 X	789	789	M	Space fill.
86	Conventional In-bond Number	9 N	790	798	M	A Customs assigned 9-digit In-bond control number.
87	In-bond Carrier Code	4 AN	799	802	C	A SCAC code representing the original in-bond carrier, if other than the importing carrier.
88	U.S. Port of Destination/Intermediate	4 N	803	806	M	A code representing the U.S. Customs district/port of termination for an IT (61) entry, or the district/port of exportation for a T&E (62) entry, or the district/port of arrival for an IE (63) entry.
89	Foreign Destination	5 N	807	811	C	A code representing the foreign port of destination for T&E (62) or IE (63) entries.
90	Value	8 N	812	819	M	A value in whole dollars of the in-bond movement.
91	Bonded Carrier ID Number	12 X	820	831	M	The identification (ID) number of the original bonded carrier (also referred to as the importer number or IRS number) must include any embedded hyphens.

Record Length: 49

Record Identifier: I02 (Optional)

92	Control Identifier	3 AN	832	834	M	Must always equal I02
93	Mode of Transport	2 N	835	836	M	Equals 10.
94	Vessel Name	23 AN	837	859	M	Alpha text name of export vessel to 23 columns in length.

Record Length: 28

.....FIELD.....

Position	Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - CAMIR
Record Identifier: C01						
95	Control Identifier	3 AN	860	862	M	Must always equal C01
96	Container/Equipment No.	14 AN	863	876	M	A valid container/equipment number associated with a bill of lading. Use NC if not containerized.
97	Seal Number 1	15 AN	877	891	C	A valid exporter/carrier seal number associated with the container/equipment.
98	Seal Number 2	15 AN	892	906	C	A valid exporter/carrier seal number associated with the container/equipment.

Record Length: 47

Record Identifier: D00 (Conditional - Mandatory if I01 In-bond = 62 or 63)

99	Control Identifier	3 AN	907	909	M	Must always equal D00
100	Harmonized Number	11 N	910	920	C	The code located in the Harmonized Tariff Schedule that represents the tariff number. Left Justify and fill with zeroes. Enter at least six positions of the valid HTS number identifying the cargo being exported from the US by ocean carrier.
101	Value	8 N	921	928	O	A value greater than zero, in the whole dollars, of the commodity.
102	Weight	10 N	929	938	C	A value greater than zero representing the net weight in pounds or kilos of the commodity.
103	Weight Unit	2 A	939	940	C	A code represent the unit of measure.

Record Length: 34

.....FIELD.....

Position	Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - CAMIR
Record Identifier: D01 (Can occur 5 times; #2 through #5 are Optional)						
104	Control Identifier - D01 #1	3 AN	941	943	M	Must always equal D01
105	Piece Count - D01 #1	10 N	944	953	M	The total number of pieces in the container being described.
106	Description - D01 #1	45 X	954	998	M	A description of the cargo.
107	Control Identifier - D01 #2	3 AN	999	1001	M	Must always equal D01
108	Piece Count - D01 #2	10 N	1002	1011	C	Optional if description continuation but Mandatory if describing new item.
109	Description - D01 #2	45 X	1012	1056	M	A description of the cargo.
110	Control Identifier - D01 #3	3 AN	1057	1059	M	Must always equal D01
111	Piece Count - D01 #3	10 N	1060	1069	C	Optional if description continuation but Mandatory if describing new item.
112	Description - D01 #3	45 X	1070	1114	M	A description of the cargo.
113	Control Identifier - D01 #4	3 AN	1115	1117	M	Must always equal D01
114	Piece Count - D01 #4	10 N	1118	1127	C	Optional if description continuation but Mandatory if describing new item.
115	Description - D01 #4	45 X	1128	1172	M	A description of the cargo.
116	Control Identifier - D01 #5	3 AN	1173	1175	M	Must always equal D01
117	Piece Count - D01 #5	10 N	1176	1185	C	Optional if description continuation but Mandatory if describing new item.
118	Description - D01 #5	45 X	1186	1230	M	A description of the cargo.

Record Length: 290

.....FIELD.....

Position	Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - CAMIR
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Record Identifier: D02 (Can occur 3 times; #2 through #3 are Optional)

119	Control Identifier - D02 #1	3 AN	1231	1233	M	Must always equal D02
120	Marks and Numbers - D02 #1	45 AN	1234	1278	M	The written description of the symbols and markings that are on the outside of the packaging.
121	Control Identifier - D02 #2	3 AN	1279	1281	M	Must always equal D02
122	Marks and Numbers - D02 #2	45 AN	1282	1326	M	The written description of the symbols and markings that are on the outside of the packaging.
123	Control Identifier - D02 #3	3 AN	1327	1329	M	Must always equal D02
124	Marks and Numbers - D02 #3	45 AN	1330	1374	M	The written description of the symbols and markings that are on the outside of the packaging.

Record Length: 144

Record Identifier: V01 (Optional)

125	Control Identifier	3 AN	1375	1377	M	Must always equal V01
126	Hazardous Material Code	10 X	1378	1387	M	A code representing the identification number assigned to the hazardous material.
127	Hazardous Material Class	4 X	1388	1391	O	A code representing the hazardous class or division designated for the material in the International Maritime Dangerous Goods (IMDG) code.
128	Hazardous Material Code Qualifier	1 X	1392	1392	O	A code that describes the hazardous material class.
129	Hazardous Material Description	30 AN	1393	1422	O	The proper shipping name of the the material designated as hazardous.
130	Hazardous Material Contact	24 AN	1423	1446	O	The name and/or phone number oth person or department to contact in case of an emergency.
131	UN Hazardous Material Page	6 AN	1447	1452	O	The page number in the IMDG code in which the hazardous material identification appears.

Record Length: 78

.....FIELD.....

Position	Data Element	LENGTH/ CLASS	START POS	END POS	Status	DESCRIPTION - CAMIR
Record Identifier: V02 (Conditional - Mandatory if V01 used.)						
132	Control Identifier	3 AN	1453	1455	M	Must always equal V02
133	Flashpoint Temperature	3 N	1456	1458	M	A code representing the lowest temperature at which the vapor of a hazardous combustible liquid will ignite in the air.
134	Unit of Measure Code	2 X	1459	1460	C	A code representing the basic unit of measurement (UOM) for the flashpoint temperature.
135	Negative Indicator	1 A	1461	1461	C	A code of N is used when a flashpoint temperature is negative, that is, below 0 degrees Centigrade/Celsius.

Record Length: 9

Record Identifier: V03 (Optional - If used, must have V01.)

136	Control Identifier	3 AN	1462	1464	M	Must always equal V03
137	Hazardous Material Description	30 AN	1465	1494	O	The material name, special instructions, and/or the phone number if applicable.
138	Hazardous Material Classification	30 AN	1495	1524	C	Free form description of hazardous material classification, division, or label requirements.

Record Length: 63

Record Identifier: ZCR

139	Control Identifier	3 AN	1525	1527	M	Must always equal ZCR
140	AMS User Code	4 AN	1528	1531	M	***** Same as ACR Transaction Control Header Record A code representing the carrier, Customs-assigned port authority, or service bureau.
141	Filler	6 AN	1532	1537	M	Space fill.
142	Application Identifier	2 AN	1538	1539	C	Not used by CAFES. Output application identifier.
143	Filler	19 AN	1540	1558	M	Space fill.
144	Number of Transaction Detail Records	5 N	1559	1563	M	The total number of records transmitted.

Record Length: 39

.....FIELD.....		LENGTH/	START	END		
Position	Data Element	CLASS	POS	POS	Status	DESCRIPTION - CAMIR
Total Bar Code Length (Message + 11 Overhead):				1574		

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